

4. (Twice Amended) A complex according to claim 3 wherein said phosphopeptide includes an amino acid sequence selected from the group consisting of:

(SEQ ID NO: 1) Gln^{59} -Met-Glu-Ala-Glu-Ser(P)-le-Ser(P)-Ser(P)-Ser(P)-Glu-Ile-Val-Pro-Asn-Ser(P)-Val-Glu-Gln-Lys⁷⁹[.] α_{s1} (59-79);

(SEQ ID NO: 2) Arg¹-Glu-Leu-Glu-Glu-Leu-Asn-Val-Pro-Gly-Glu-lle-Val-Glu-Ser(P)-Leu-Ser(P)-Ser(P)-Glu-Glu-Ser-lle-Thr-Arg²⁵[.] β(I-25);

(SEQ ID NO: 4) Lys¹-Asn-Thr-Met-Glu-His-Val-Ser(P)-Ser(P)-Glu-Glu-Ser-lle-lle-Ser(P)-Glu-Thr-Tyr-Lys²¹ α_{s2} (1-21).

7. (Twice Amended) A stable soluble alkaline calcium phosphate complex comprising phosphopeptide-stabilized amorphous calcium phosphate [or a derivative thereof] wherein said phosphopeptide includes the amino acid sequence Ser(P)-Ser(P)-Ser(P)-Glu-Glu (SEQ ID NO: 5) and said amorphous calcium phosphate [or the derivative thereof] is alkaline.

9. (Twice Amended) A complex according to claim 41, wherein the ormula further includes $HPO_4^{(2-)}$.

10. (Twice Amended) A complex according to claim 9 wherein said phosphopeptide includes an amino acid sequence selected from the group consisting of:

(SEQ ID NO: 1) GIn⁵⁹-Met-Glu-Ala-Glu-Ser(P)-Ile-Ser(P)-Ser(P)-Ser(P)-Glu-Ile-Val-Pro-Asn-Ser(P)-Val-Glu-Gln-Lys⁷⁹ α_{s1} (59-79);

 $(SEQ\ ID\ NO:\ 2) \qquad Arg^1\text{-}Glu\text{-}Leu\text{-}Glu\text{-}Glu\text{-}Leu\text{-}Asn\text{-}Val\text{-}Pro\text{-}Gly\text{-}Glu\text{-}Ile\text{-}Val\text{-}Glu\text{-}Ser(P)\text{-}} \\ Leu\text{-}Ser(P)\text{-}Ser(P)\text{-}Ser(P)\text{-}Glu\text{-}Glu\text{-}Ser\text{-}Ile\text{-}Thr\text{-}Arg^{25}} \qquad \beta(I\text{-}25);$

(SEQ ID NO: 3) Asn⁴⁶-Ala-Asn-Glu-Glu-Glu-Tyr-Ser-lle-Gly-Ser(P)-Ser(P)-Ser(P)-Glu-Glu-Ser(P)-Ala-Glu-Val-Ala-Thr-Glu-Gly-Val-Lys⁷⁰ α_{s2} (46-70); and

(SEQ ID NO: 4) Lys¹-Asn-Thr-Met-Glu-His-Val-Ser(P)-Ser(P)-Glu-Glu-Ser-lle-lle-Ser(P)-Gln-Glu-Thr-Tyr-Lys²¹ α_{s2} (1-21).

11. (Twice Amended) A complex according to claim 9 wherein said phosphopeptide includes the amino acid sequence (SEQ ID NO: 1):

Gln⁵⁹-Met-Glu-Ala-Gelu-Ser(P)-Ile-Ser(P)-Ser(P)-Ser(P)-Glu-Ile-Val-Pro-Asn-Ser(P)-Val-Glu-Gln-Lys⁷⁹ α_{s1} (59=79).

phosphate complex having a pH of about 9.0 comprising the steps of:

- (i) obtaining an aqueous solution of a phosphopeptide which has a pH of about 9.0, wherein said phosphopeptide includes the amino acid sequence Ser(P)-Ser(P)-Ser(P)-Glu-Glu (SEQ ID NO: 5);
- (ii) admixing the solution of step (i) with solutions comprising calcium, and inorganic phosphate and optionally fluoride at a pH of about 9.0;
 - (iii) filtering the mixture resulting from step (ii);
 - (iv) drying the mixture of step (iii), and
 - (v) isolating the stable a kaline calcium phosphate complex.

25. (Amended) A method of inhibiting dental caries or tooth decay comprising administering a complex according to claim 7 to the teeth or gums of a subject in need of such treatment.

Please add the following claims:

- 41. A complex according to claim wherein said amorphous calcium phosphate is of the approximate formula $[Ca_3(H_2O)_x]$, wherein $x \ge 1$.
- 42. A complex according to claim 11, which has the formula [(PP)(CP)₈]_n, wherein n is equal to or greater than 1, "PP" represents said phosphopeptide, and "CP" represents calcium phosphate.
- 43. A complex according to claim 42; which has the formula $[(PP)(CP_8)]_6$, wherein "PP" and "CP" are as defined in claim 42.
- 44. A method for promoting calcium absorption in a subject suffered from a condition related to calcium loss from the body, calcium deficiency, or calcium malabsorption comprising administering a complex according to claim 7 to the subject.
- 45. The method of claim 48, wherein said condition is osteoporosis or osteomalacia.
- 46. A composition useful for inhibiting cariogenesis, comprising a dentifrice and a complex according to claim 7 in an amount effective to inhibit cariogenesis.
- 47. The composition of claim 44, wherein said dentifrice is selected from the group consisting of toothpaste, toothpowder, a liquid dentifrice, mouthwash, a troche, chewing gum, dental paste, gingival massage cream and a gargle tablets.
- 48. A composition useful for inhibiting cariogenesis, comprising a foodstuff and a complex according to claim 7 in an amount effective to inhibit cariogenesis.
- 49. The composition according to claim 46, wherein said foodstuff is a dairy product.